



CAS Registry Number: 2497-18-9

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Source/Synthesis: Found in fruits and essential oils

Use/Importance: Used in artificial fruit flavours

Physical Description: Liq. with fresh, fruity odour

Boiling Point: Bp 165-166°. Bp₁₅ 67-68°

Refractive Index: n_D²⁰ 1.4277

Aldrich: 30250-3

Sigma: H2765

>>Derivative: Butanoyl

CAS Registry Number: 53398-83-7

Molecular Formula: C₁₀H₁₈O₂

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Biological Source: Volatile scent component of hemipteran bugs

>>Derivative: 3,5-Dinitrobenzoyl

Melting Point: Mp 64-65° (52°). Mp 64.8-65.5°

>>Derivative: 2-Naphthylurethane

Melting Point: Mp 76°

>>Derivative: Me ether

Synonym(s): 1-Methoxy-2-hexene

CAS Registry Number: 56052-83-6

Molecular Formula: C₇H₁₄O

Molecular Weight: 114.187

Accurate Mass: 114.104465

Percentage Composition: C 73.63%; H 12.36%; O 14.01%

Physical Description: Liq.

Boiling Point: Bp₇₂₁ 126-128°

>>Variant: (Z)-form

CAS Registry Number: 928-94-9

Molecular Formula: C₆H₁₂O

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Biological Source: Constit. of currants and hops

Use/Importance: Used in perfumes

Boiling Point: Bp 156-158°. Bp₅₆ 90-91°. Bp₂₀ 69-69.5°

Aldrich: W50833-0

>>Derivative: Ac

CAS Registry Number: 56922-75-9

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Accurate Mass: 142.09938

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Boiling Point: Bp₁₇₀ 116°